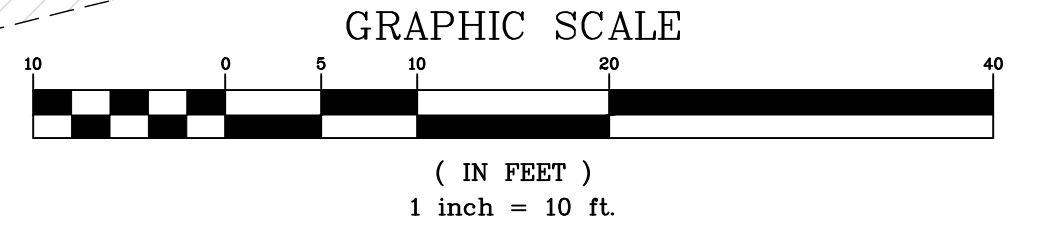


LEGEND:

- | | | | |
|--|-------------------------------------|--|------------------------------------|
| | EXIST. ASPHALT | | EXIST. CONCRETE (TO BE REMOVED) |
| | PAVERS/TEMP ASPHALT (TO BE REMOVED) | | EXIST. CONCRETE (TO REMAIN) |
| | RECORD BOUNDARY LINE | | EXISTING STORM DRAIN LINE |
| | FENCE LINE | | EXISTING GAS LINE |
| | EXISTING WATER LINE | | EXISTING SANITARY SEWER LINE |
| | EXISTING OVERHEAD ELECTRIC LINE | | EXISTING UNDERGROUND ELECTRIC LINE |
| | EXISTING OVERHEAD TELEPHONE LINE | | SAWCUT |
| | ELECTRIC OUTLET | | BOLLARD |
| | TELEPHONE BOX | | UTILITY POLE |
| | TELEPHONE VAULT | | LIGHT POLE |
| | SANITARY SEWER CLEANOUT | | ELECTRIC BOX |
| | MANHOLE | | ELECTRIC METER |
| | STORM DRAIN DROP INLET | | ELECTRIC CABINET |
| | STORM DRAIN CATCH BASIN (TYPE 4-R) | | VERTICAL TRAFFIC CONTROL |
| | STORM DRAIN CATCH BASIN (TYPE 1) | | ELECTRIC VAULT |
| | SIGN | | TRAFFIC SIGNAL |
| | FIRE HYDRANT | | ELECTRIC TRANSFORMER |
| | WATER METER | | TREE |
| | WATER VALVE | | |
| | IRRIGATION CONTROL VALVE | | |
| | GROUND HYDRANT / COUPLER | | |
| | GAS METER | | |
| | GAS VALVE | | |



REV.	DATE	DESCRIPTION
BY: APP'D		

DATE: 11-27-24	DESIGNED BY: T.C.P.	PERMIT SET
DRAWN BY: T.C.P.	ACAD 24	
CHECKED BY: T.C.P.		

VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5 CIVIL DEMO PLAN

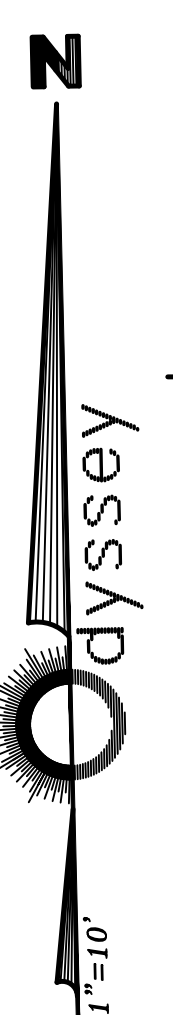
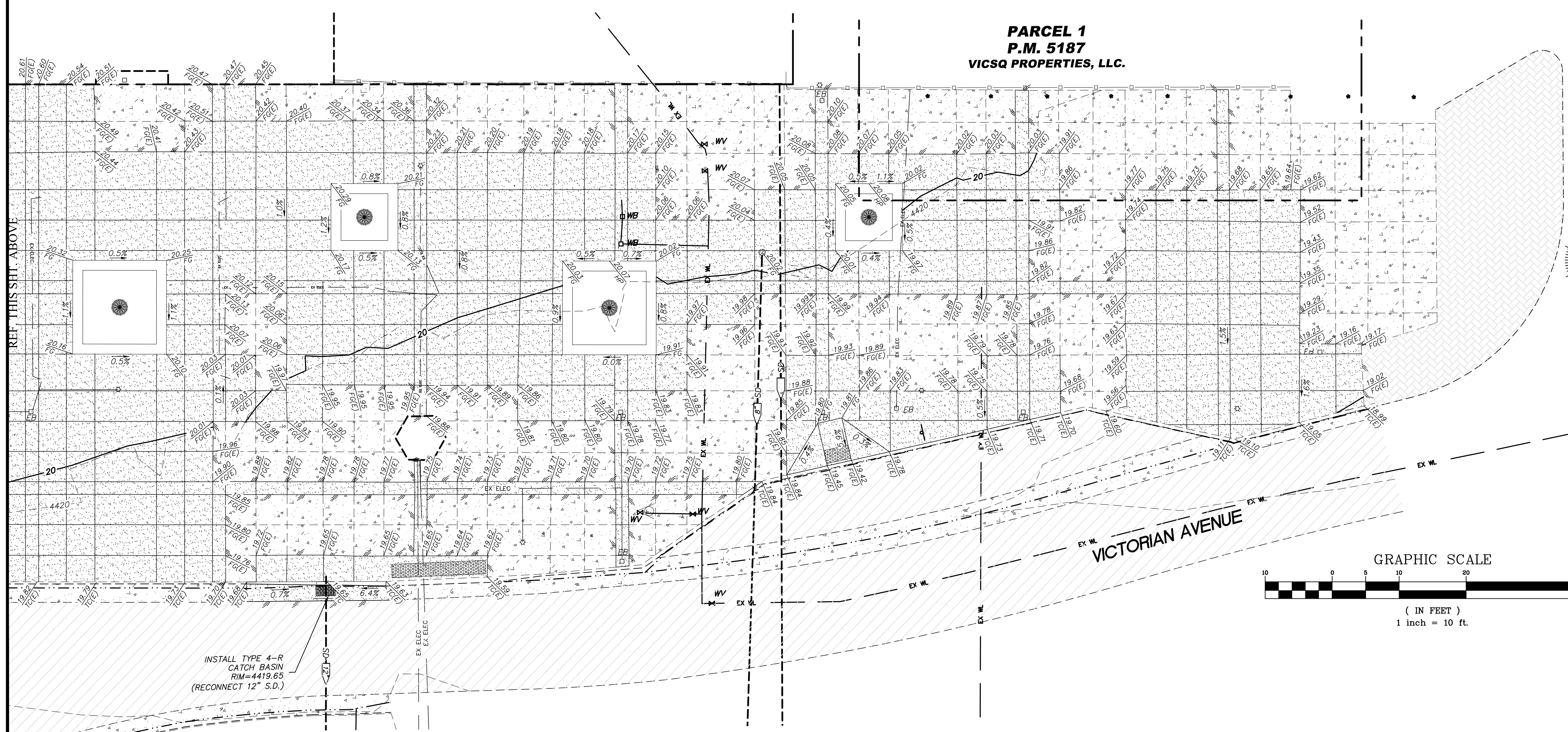
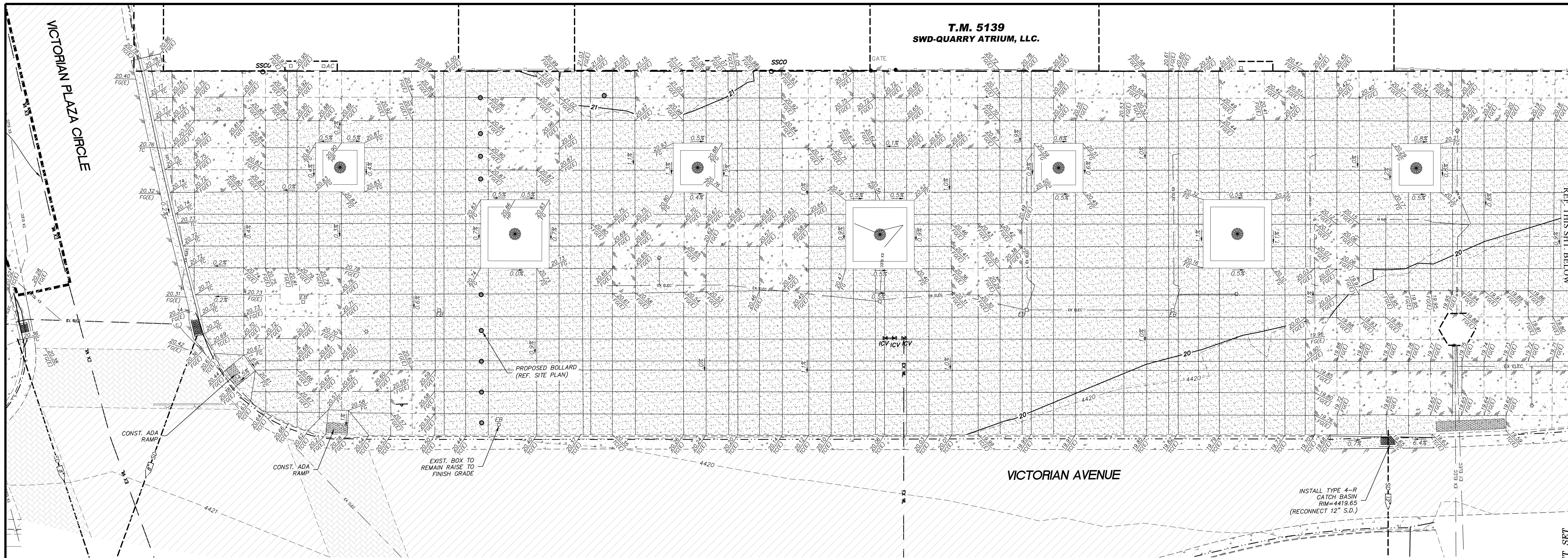
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PROFESSIONAL ENGINEER STATE OF NEVADA TRAVIS C. PAGE Exp. 12-31-25 No. 28825

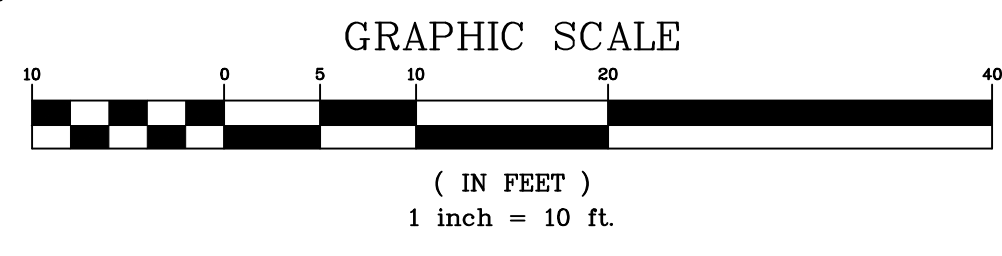
SCALE: HORIZ. 1"=10' VERT. - JOB NO. - SHEET C1.0 OF 9

Know what's below. Call before you dig.



LEGEND:

- POST CURB (DASHED IF EXISTING)
- MANHOLE (DASHED IF EXISTING)
- TYPE 4-R CATCH BASIN (DASHED IF EXISTING)
- STORM DRAIN (DASHED IF EXISTING)
- TYPE 3 CATCH BASIN (DASHED IF EXISTING)
- YARD DRAIN (DASHED IF EXISTING)
- SITE LIGHT (DASHED IF EXISTING)
- GRADE BREAK
- 2.0% SLOPE IN PERCENT
- EXISTING ASPHALT PAVING
- EXISTING CONCRETE AREA
- PORTLAND CEMENT CONCRETE AREA
- 4.396 EXISTING CONTOUR
- 96 PROPOSED CONTOUR
- (E) EXISTING
- 4.988.03 EXISTING SPOT ELEVATION
- CURB AND GUTTER (DASHED IF EXISTING)
- 96.43 ELEVATION @ FINISH GRADE
- 82.50 ELEVATION @ TOP OF CURB
- 96.43 ELEVATION @ GRADE BREAK
- 96.43 ELEVATION @ FLOW LINE
- FF=96.50 ELEVATION @ FINISH FLOOR
- EXT.FG=96.00 ELEVATION @ EXTERIOR FINISH GRADE
- PAD=94.00 ELEVATION @ PAD GRADE
- SAWCUT LINE

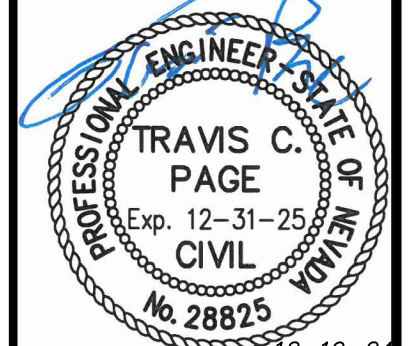


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MOTOR THIS SIDE DATE: 11-27-24 DRAWN BY: TCP DESIGNED BY: ACAD_24 CHECKED BY: TCP				

VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5 CIVIL GRADING PLAN

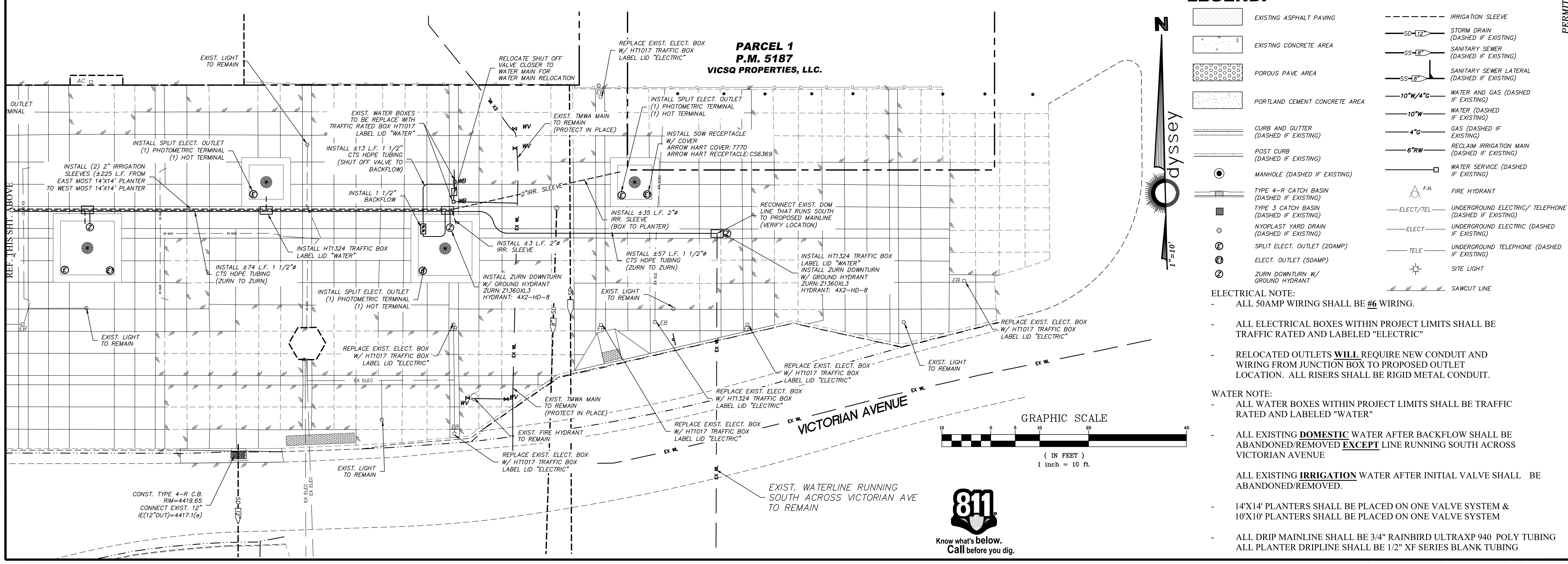
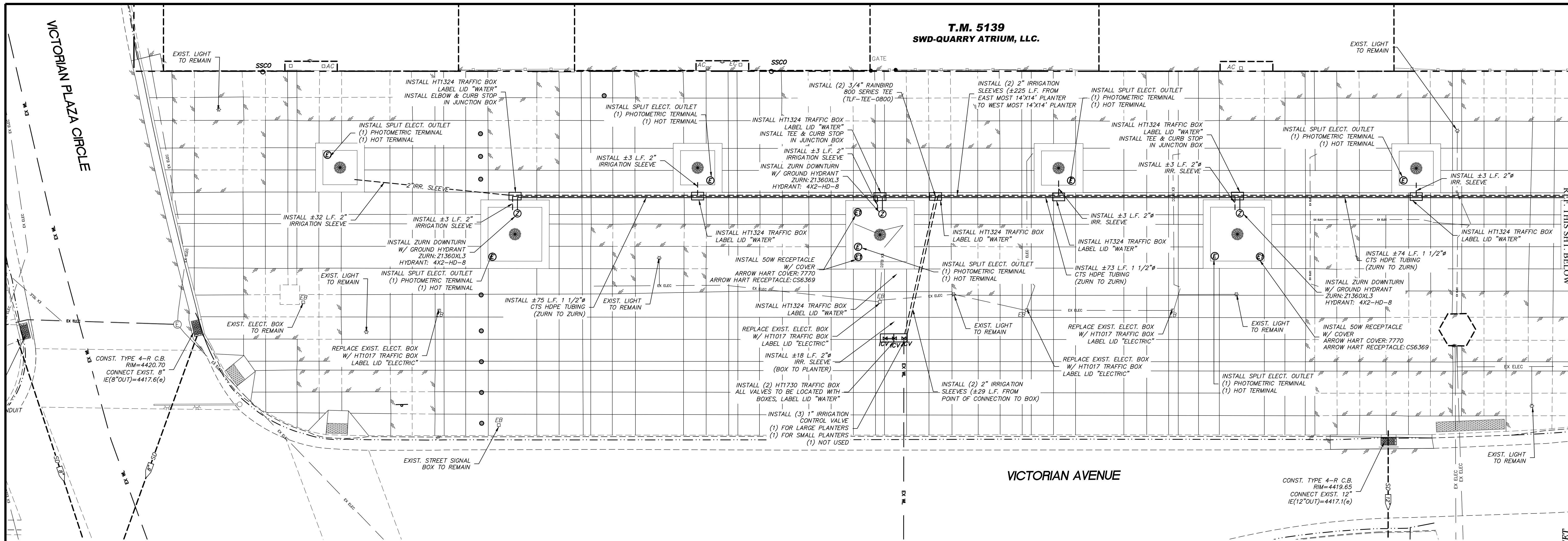
SPARKS WASHOE NEVADA

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(775) 399-3667 FAX: ODYSSEY-RENO.COM
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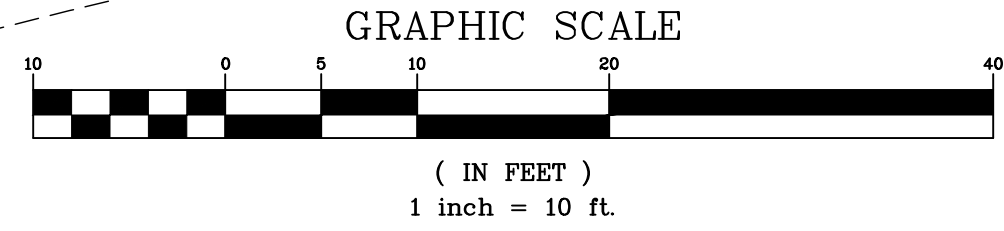
	EXISTING ASPHALT PAVING		IRRIGATION SLEEVE
	EXISTING CONCRETE AREA		STORM DRAIN (DASHED IF EXISTING)
	POROUS PAVE AREA		SANITARY SEWER (DASHED IF EXISTING)
	PORTLAND CEMENT CONCRETE AREA		SANITARY SEWER LATERAL (DASHED IF EXISTING)
	CURB AND GUTTER (DASHED IF EXISTING)		10"W/4"G WATER AND GAS (DASHED IF EXISTING)
	POST CURB (DASHED IF EXISTING)		10"W WATER (DASHED IF EXISTING)
	MANHOLE (DASHED IF EXISTING)		4"G GAS (DASHED IF EXISTING)
	TYPE 4-R CATCH BASIN (DASHED IF EXISTING)		6"RW RECLAIM IRRIGATION MAIN (DASHED IF EXISTING)
	TYPE 3 CATCH BASIN (DASHED IF EXISTING)		WATER SERVICE (DASHED IF EXISTING)
	NYOPLAST YARD DRAIN (DASHED IF EXISTING)		F.H. FIRE HYDRANT
	SPLIT ELECT. OUTLET (20AMP)		ELECT/TEL UNDERGROUND ELECTRIC/ TELEPHONE (DASHED IF EXISTING)
	ELECT. OUTLET (50AMP)		ELECT UNDERGROUND ELECTRIC (DASHED IF EXISTING)
	ZURN DOWNTURN W/ GROUND HYDRANT		TELE UNDERGROUND TELEPHONE (DASHED IF EXISTING)
	SITE LIGHT		SAWCUT LINE

ELECTRICAL NOTE:

- ALL 50AMP WIRING SHALL BE #6 WIRING.
- ALL ELECTRICAL BOXES WITHIN PROJECT LIMITS SHALL BE TRAFFIC RATED AND LABELED "ELECTRIC"
- RELOCATED OUTLETS WILL REQUIRE NEW CONDUIT AND WIRING FROM JUNCTION BOX TO PROPOSED OUTLET LOCATION. ALL RISERS SHALL BE RIGID METAL CONDUIT.

WATER NOTE:

- ALL WATER BOXES WITHIN PROJECT LIMITS SHALL BE TRAFFIC RATED AND LABELED "WATER"
- ALL EXISTING DOMESTIC WATER AFTER BACKFLOW SHALL BE ABANDONED/REMOVED EXCEPT LINE RUNNING SOUTH ACROSS VICTORIAN AVENUE
- ALL EXISTING IRRIGATION WATER AFTER INITIAL VALVE SHALL BE ABANDONED/REMOVED.
- 14'X14' PLANTERS SHALL BE PLACED ON ONE VALVE SYSTEM & 10'X10' PLANTERS SHALL BE PLACED ON ONE VALVE SYSTEM
- ALL DRIP MAINLINE SHALL BE 3/4" RAINBIRD ULTRAXP 940 POLY TUBING ALL PLANTER DRIPLINE SHALL BE 1/2" XF SERIES BLANK TUBING



DATE: 11-27-24	BY: APP'D
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DESIGNED BY: ACAD_24	REV.
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VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5 CIVIL UTILITY PLAN

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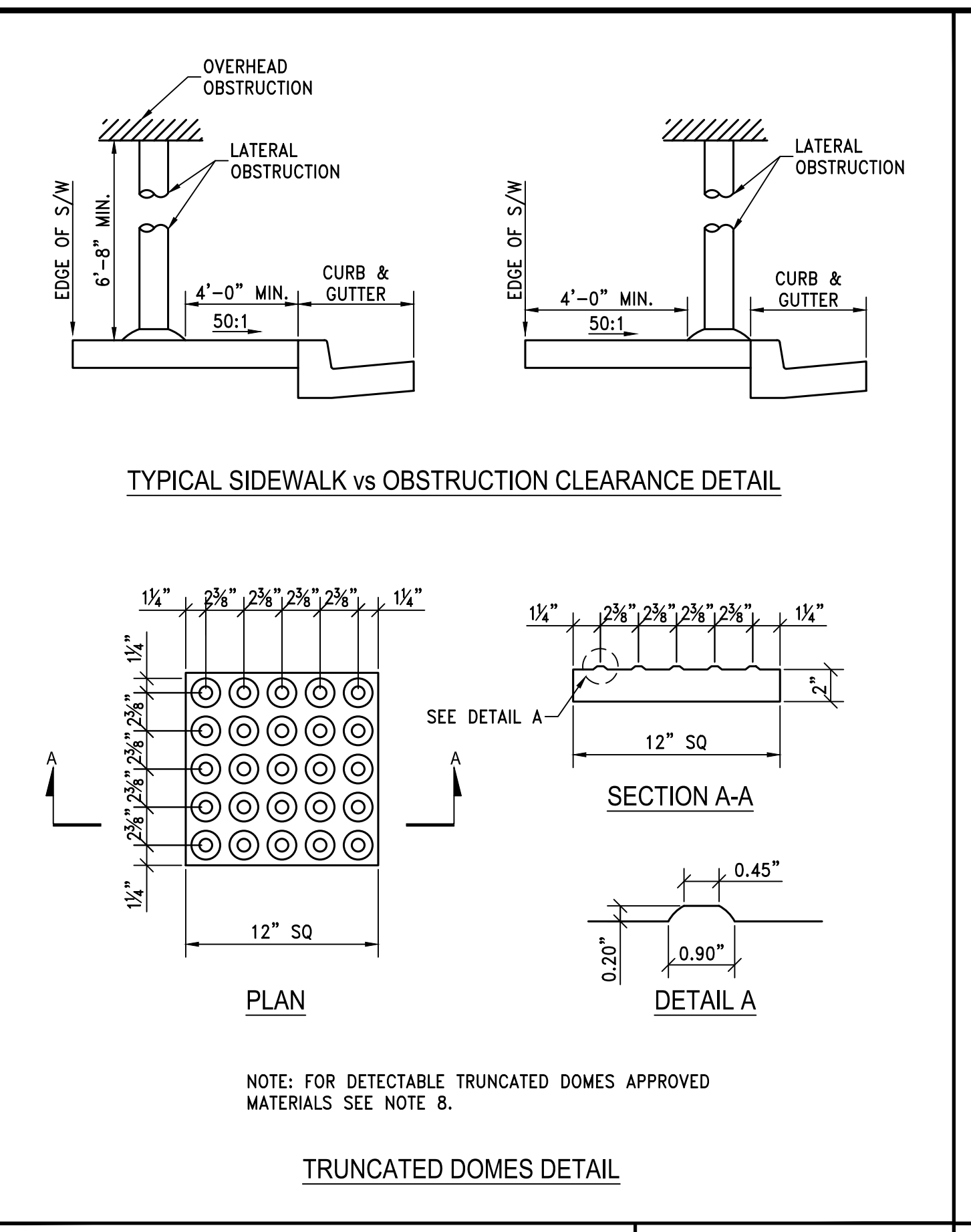
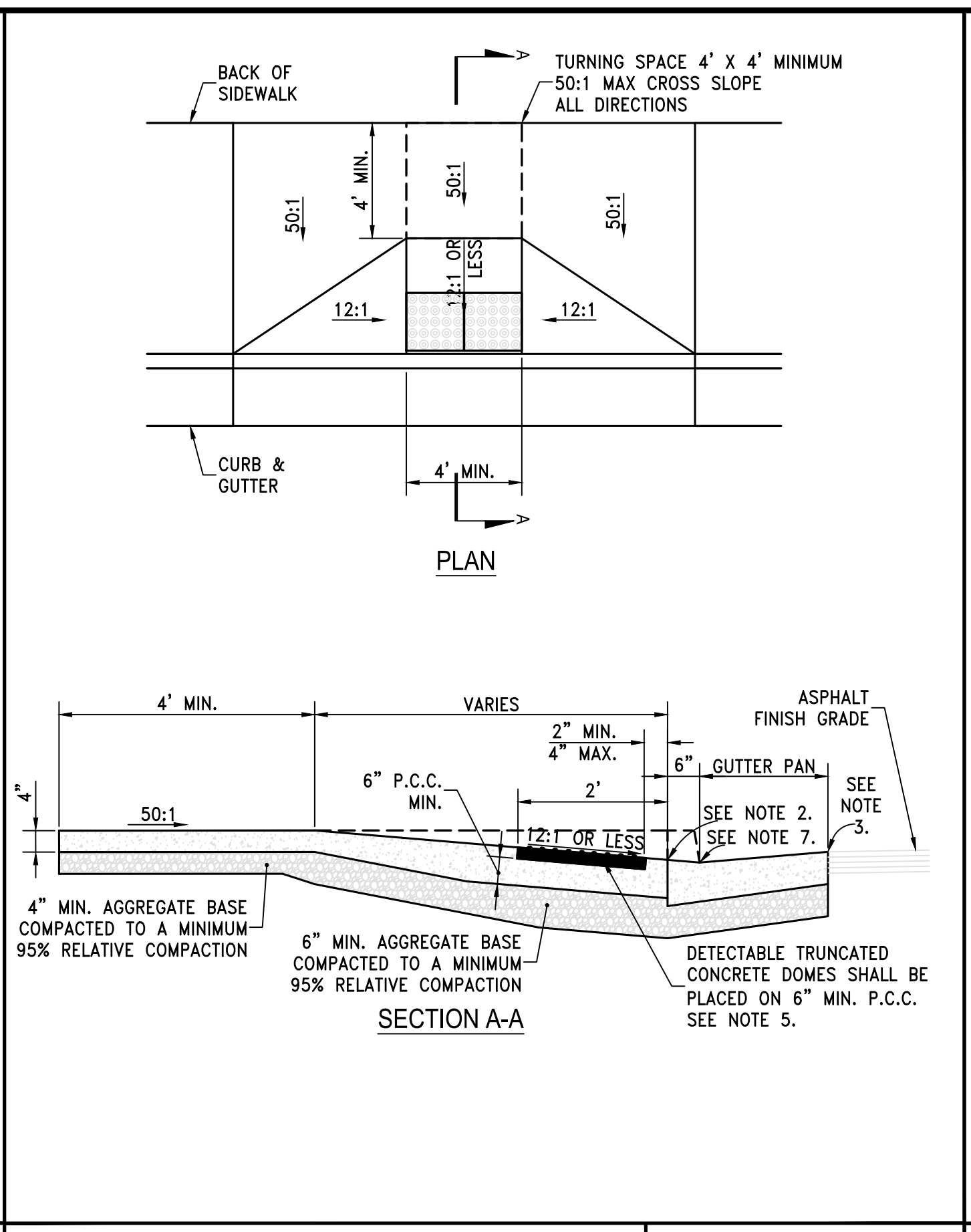
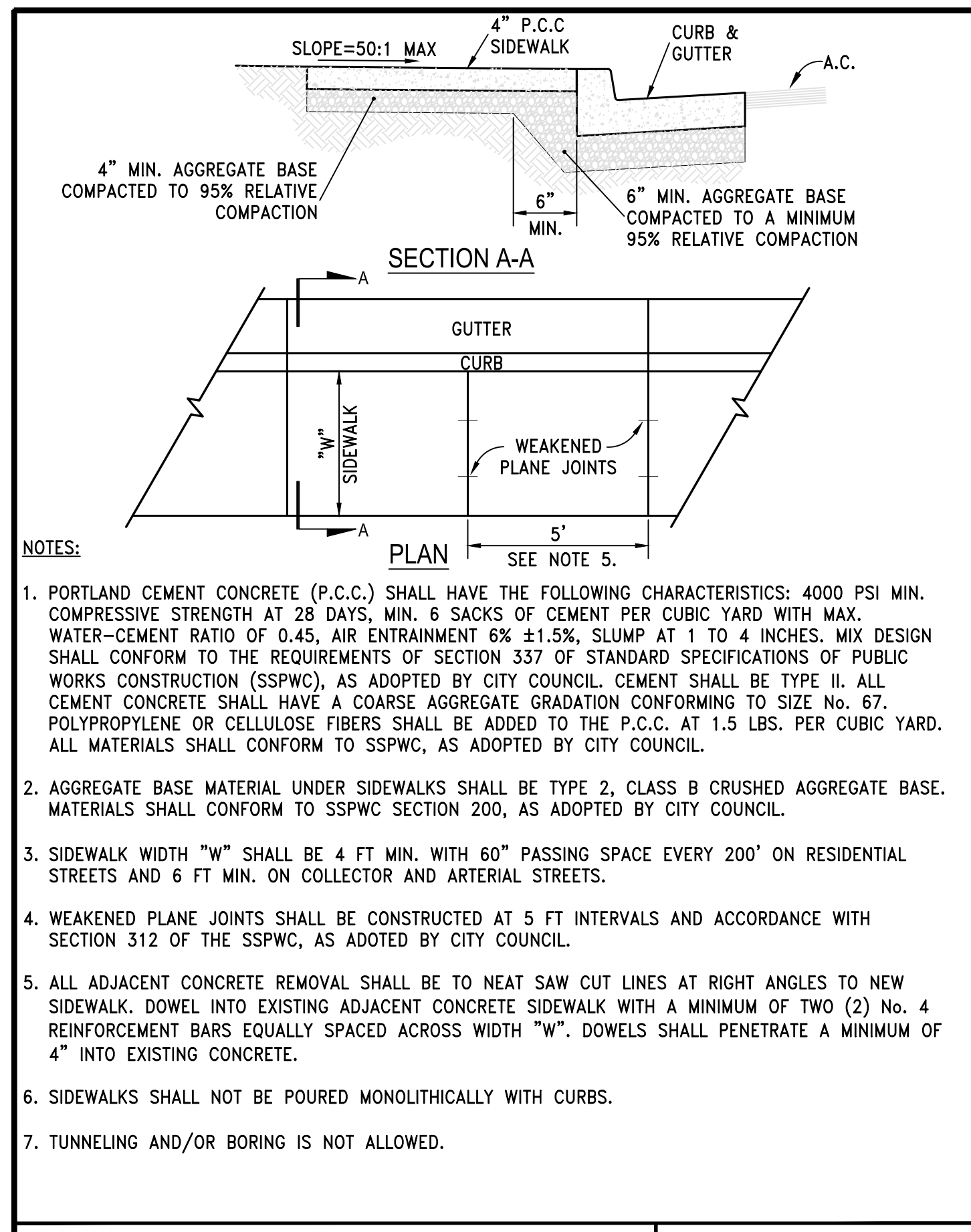
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PROFESSIONAL ENGINEER STATE OF NEVADA
TRAVIS C. PAGE
Exp. 12-31-25
CIVIL
No. 28825

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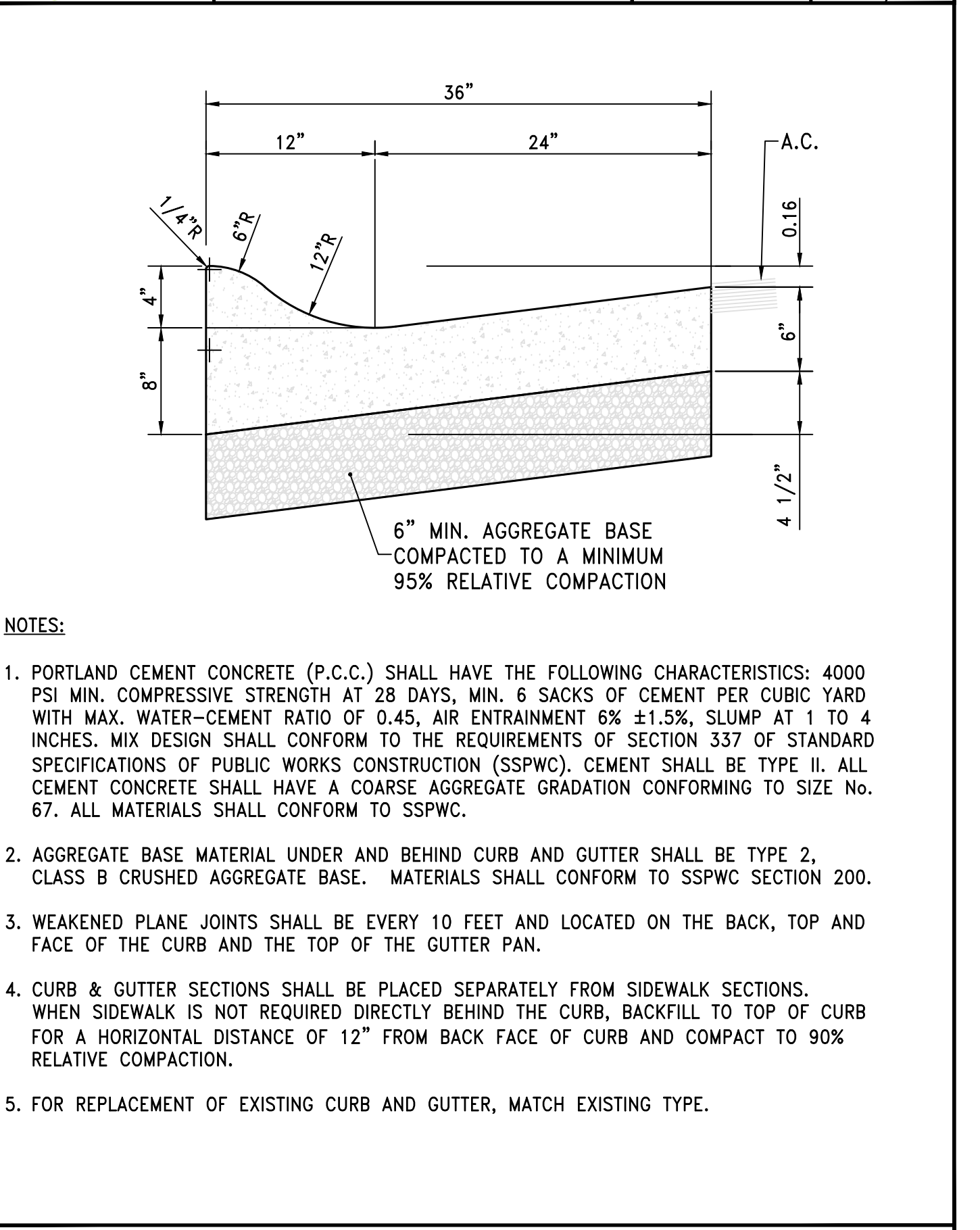
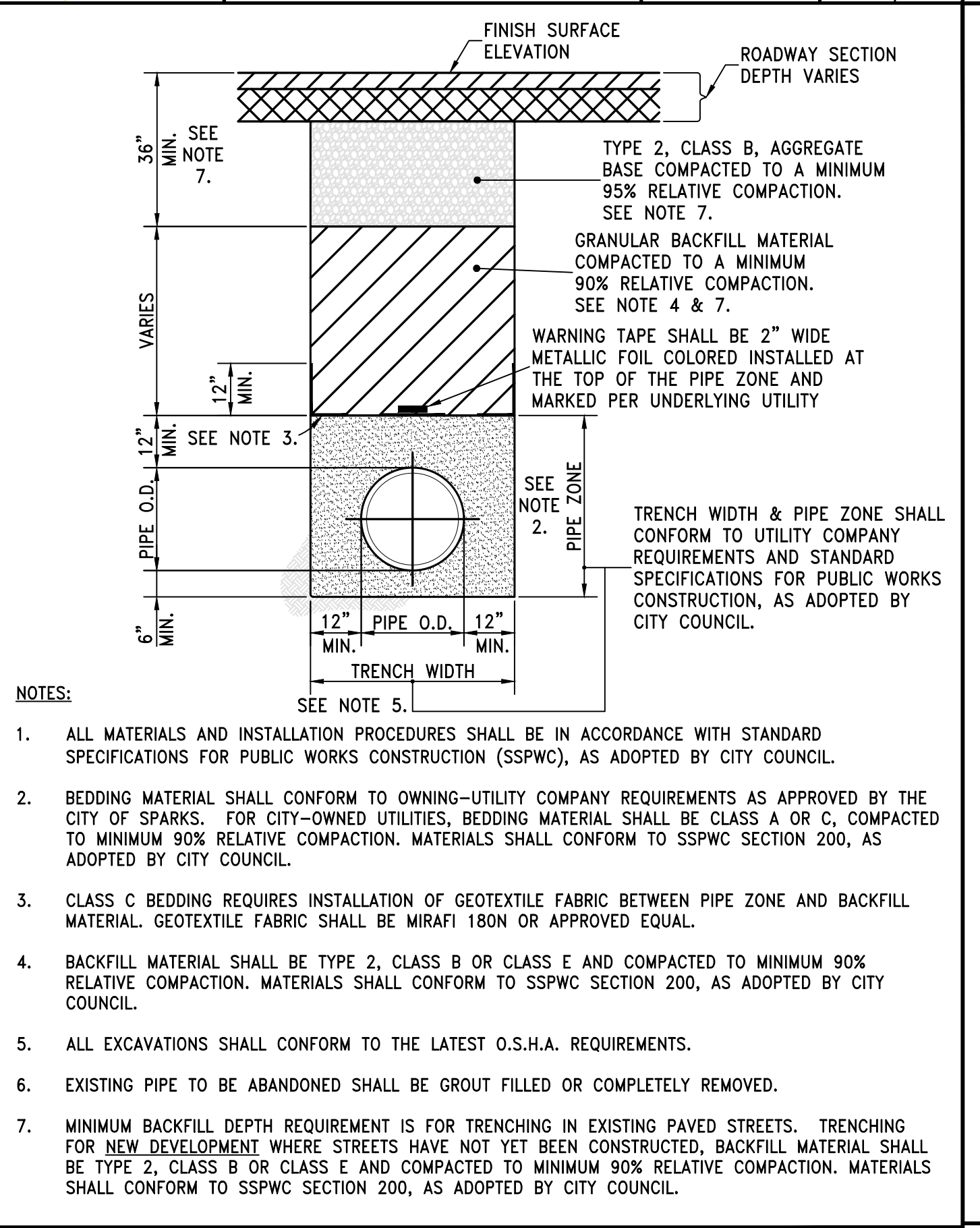
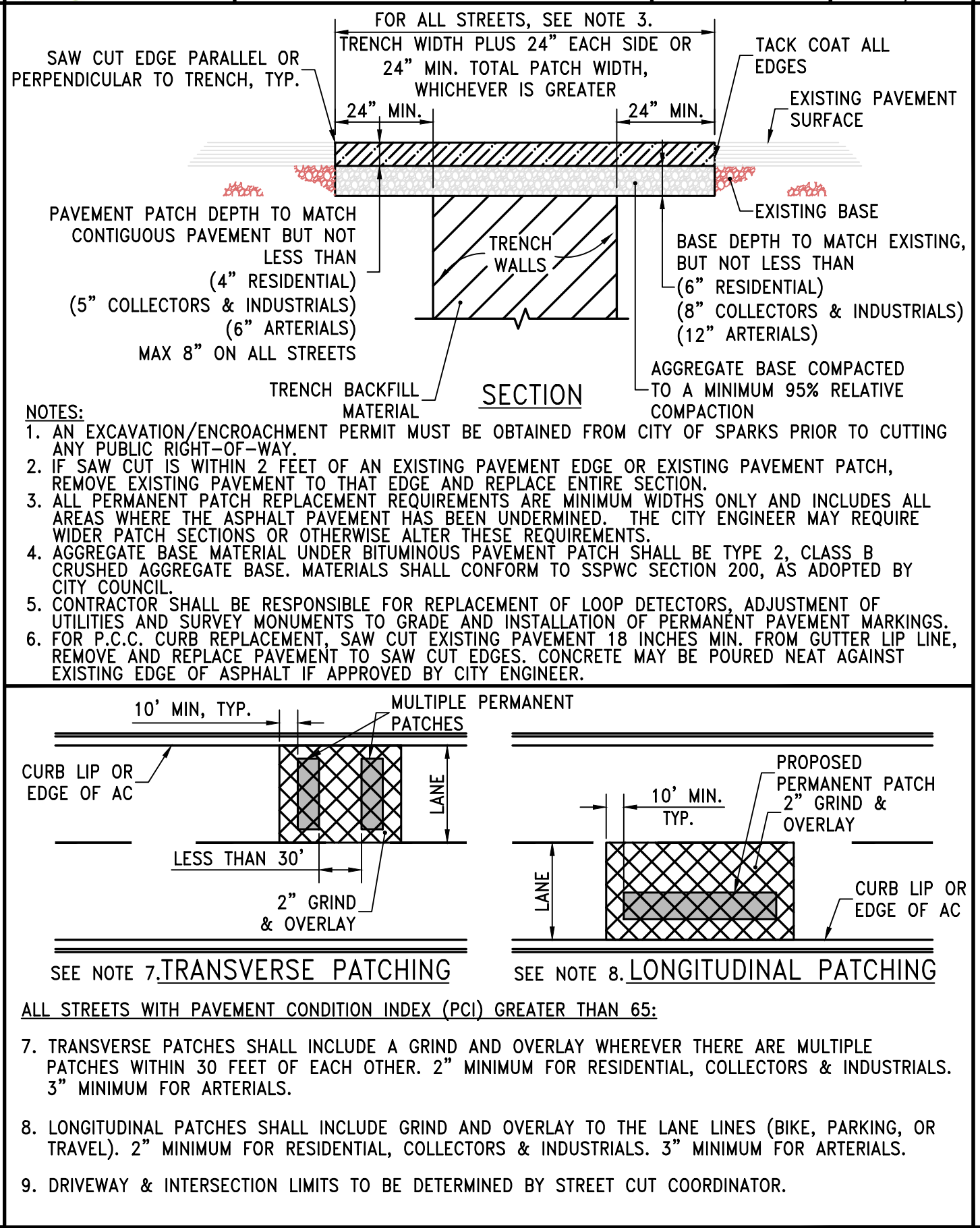
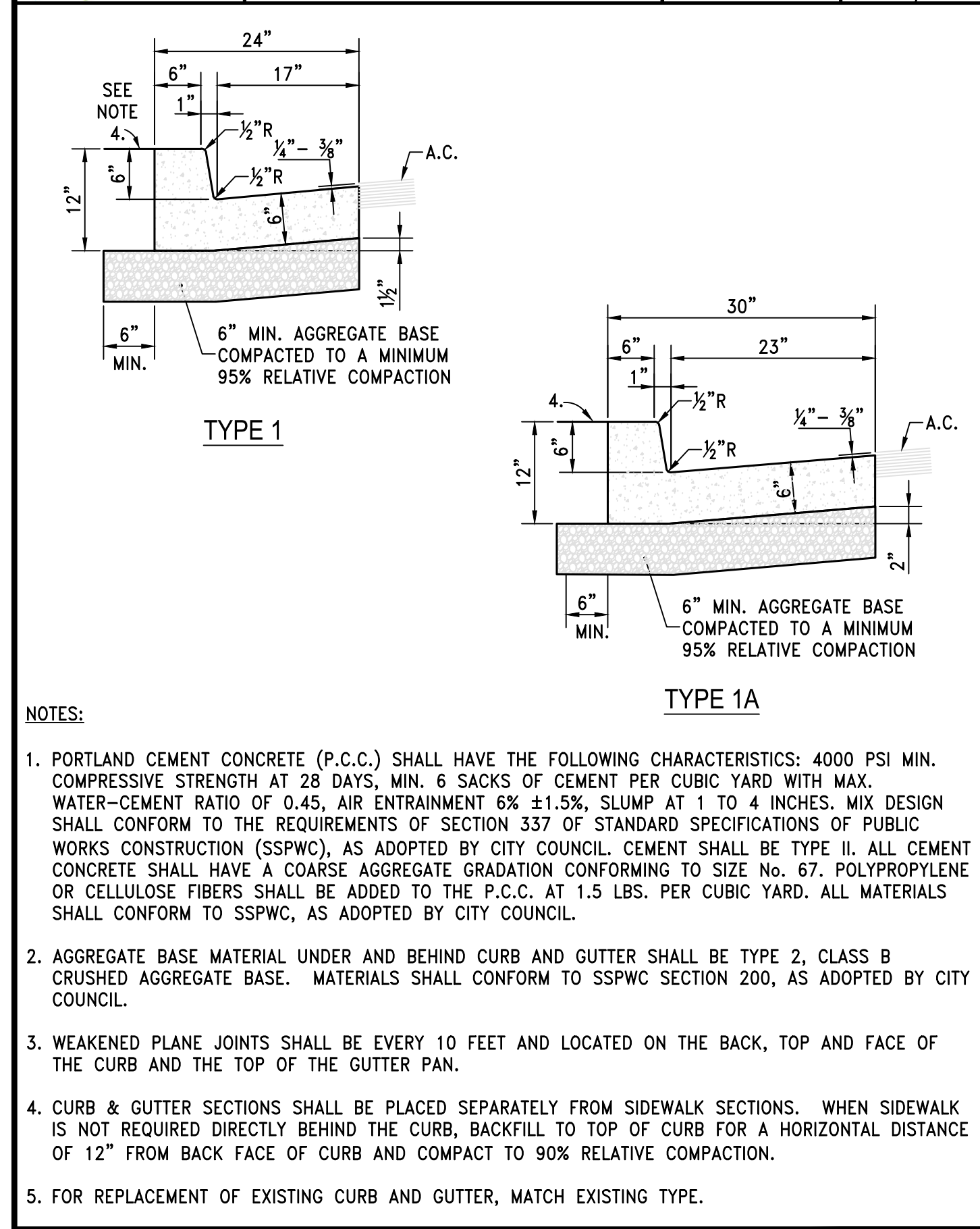
- STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION DRAWING No. S-106G
- STORM DRAIN INLETS OR SIMILAR ACCESSES SHALL NOT BE LOCATED IN THE AREA AT THE BASE OF THE CURB RAMP OR LANDING AREA. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, PULL BOXES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL OF THE CITY ENGINEER.
 - NO LIP SHALL BE PERMITTED AT THE CURB RAMP SLOPE TO GUTTER PAN.
 - PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP.
 - ROUGH BROOM TEXTURE ON CURB RAMPS AND WINGS.
 - DETECTABLE WARNING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SHALL BE PLACED ON MIN. SIX (6") INCHES OF P.C.C.
 - ALL SLOPE RATES ARE RELATIVE TO LEVEL AND SHALL COMPLY WITH THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) STANDARDS.
 - GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.
 - DETECTABLE WARNING SHALL CONSIST OF PRECAST WETSET TILES WITH MIN. SIZE OF 2' X 2', COLOR YELLOW. APPROVED PRODUCTS INCLUDE: "CAST-TACT 3", "TEKWAY DOME-TILES", "ADA SOLUTIONS", AND "ACCESS TILE". DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITION, OR TURNING SPACE. DETECTABLE WARNING SHALL BE CONSTRUCTED PER MANUFACTURER'S INSTALLATION GUIDELINES AND CONFORM TO ADAAG.
 - CONCRETE REMOVAL SHALL BE TO NEAT SAW CUT LINES
 - AGGREGATE BASE MATERIAL UNDER PEDESTRIAN RAMPS SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.
 - PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
 - CONTRACTORS SHALL CORRECT ANY GRADE CONFLICT WITH EXISTING BOXES. THE CITY ENGINEER SHALL MAKE THE FINAL DETERMINATION REGARDING THE DEGREE OF MODIFICATIONS REQUIRED BY THE CONTRACTOR FOR GRADE CONFLICTS BETWEEN EXISTING BOXES AND NEW PEDESTRIAN RAMPS.
 - SIDEWALK AT BOTH SIDES OF RAMP MAY BE RECONSTRUCTED TO MINIMIZE THE GRADE AT A HORIZONTAL DISTANCE TO BE DETERMINED IN THE FIELD, UPON APPROVAL OF THE CITY ENGINEER, SUBJECT TO PROWAG REQUIREMENTS. CURB AT THE BACK OF WALK MAY BE NEEDED. A TRANSITION SECTION OF SIDEWALK MAY BE NECESSARY TO MATCH CROSS SLOPE OF EXISTING SIDEWALK TO PEDESTRIAN RAMP IMPROVEMENTS. TRANSITION SECTIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

City of Sparks SIDEWALK DETAIL S-103 APPROVED BY: JE DATE: 1/2020

City of Sparks PEDESTRIAN RAMP MIDBLOCK - TYPE 2 S-106E APPROVED BY: JE DATE: 1/2020

City of Sparks PEDESTRIAN RAMP - DETAILS S-106F APPROVED BY: JE DATE: 1/2020

City of Sparks NOTES - PEDESTRIAN RAMP S-106G APPROVED BY: JE DATE: 3/2021



City of Sparks P.C.C. CURB & GUTTER S-109 APPROVED BY: JE DATE: 1/2020

City of Sparks PERMANENT BITUMINOUS PAVEMENT PATCH S-115 APPROVED BY: JE DATE: 1/2020

City of Sparks TRENCH EXCAVATION/BACKFILL S-117 APPROVED BY: JE DATE: 1/2020

City of Sparks TYPE 3 ROLL CURB & GUTTER S-106G APPROVED BY: JE DATE: 3/2021

PERMIT SET

VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5 CIVIL DETAILS

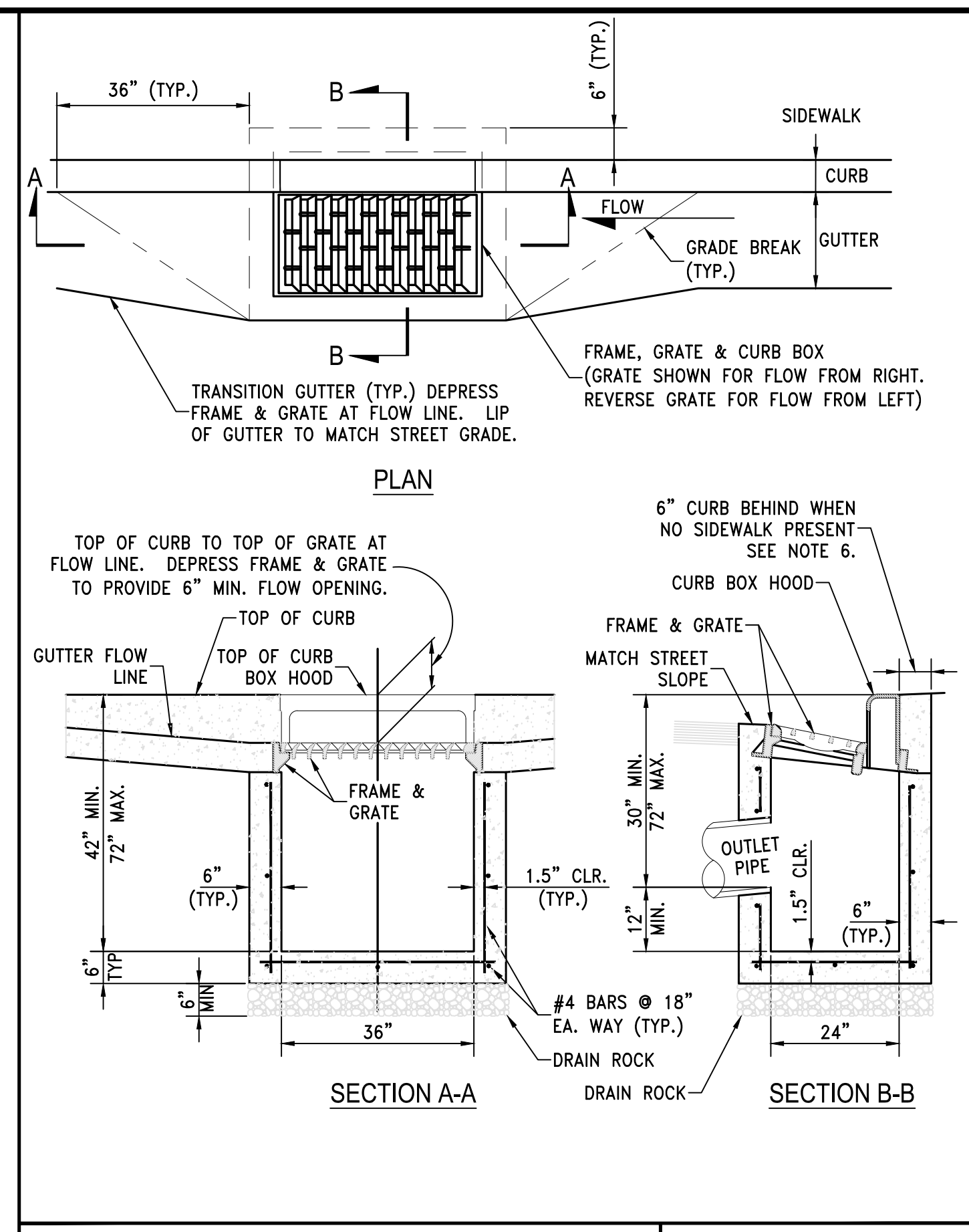
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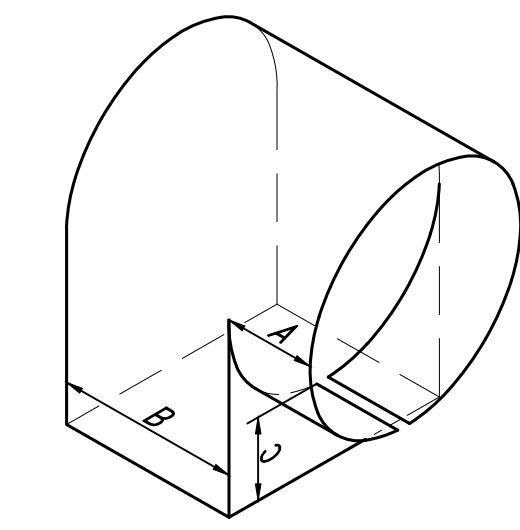
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PROFESSIONAL ENGINEER STATE OF NEVADA TRAVIS C. PAGE Exp. 12-31-25 No. 28825

SCALE: HORIZ. - VERT. - JOB NO. - SHEET C5.0 OF 9



- NOTES:**
- P.C.C CURB AND GUTTER TRANSITION SHALL BE PORTLAND CEMENT CONCRETE (P.C.C.) AND SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
 - REINFORCING STEEL SHALL BE GRADE 40 AND HAVE 1.5" MINIMUM CLEAR COVER.
 - CONCRETE STRUCTURE MAY BE A CAST-IN-PLACE CONCRETE UNIT UPON APPROVAL OF THE CITY ENGINEER. BASE OF CAST-IN-PLACE CONCRETE UNIT SHALL BE PLACED ON 6" COMPACTED DRAIN ROCK.
 - FRAME, GRATE AND CURB BOX HOOD ASSEMBLY SHALL BE D&L I-3519 WITH TYPE L "VANE GRATE" OR APPROVED EQUAL. GRATE SHALL BE INSTALLED WITH PROPER FLOW DIRECTION. EACH CATCH BASIN SHALL BE CAST WITH A FISH IMAGE AND THE WORDS "NO DUMPING! DRAINS TO RIVERS" IN THE TOP OF EACH CURB HOOD.
 - TILT FRAME & GRATE AS REQUIRED TO ATTAIN 6" MIN. FLOW OPENING & INSTALL DURABLE SHIMS BETWEEN THE CURB BOX & FRAME AS REQUIRED TO MATCH CURB BOX TO TOP OF CURB AND FACE OF CURB (SEE SECTION B-B).
 - WHEN SIDEWALK IS PRESENT CONCRETE BEHIND CURB BOX SHALL BE THICKENED TO THE FULL DEPTH OF THE CURB BOX. IF NO SIDEWALK IS PRESENT, POUR 6" CONCRETE CURB STRUCTURE BEHIND GRATE AND TIE BEAM INTO BOX.
 - ALL CATCH BASINS, PUBLIC OR PRIVATE, SHALL BE PROVIDED WITH A "SUR-TRAP" OIL/WATER SEPARATOR OR APPROVED EQUAL.
 - FRAMES AND GRATES SHALL BE MATCHED TO ACHIEVE A CLOSE TOLERANCE FIT WITH MINIMAL GAPS.
 - CATCH BASIN SHALL NOT BE PLACED WITHIN THE RADIUS OF THE CURB UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.



DIMENSIONS			
SIZE	A	B	C
4"	3"	3"	3"
6"	4"	5"	4"
8"	4"	6.5"	4"
10"	4"	8"	4"
12"	5"	10"	4"
15"	6"	10.5"	6.5"

- NOTES:**
- ALL CATCH BASINS, PUBLIC OR PRIVATE, SHALL BE PROVIDED WITH A "SUR-TRAP" OIL/WATER SEPARATOR OR APPROVED EQUAL.
 - INSTALL OIL/WATER SEPARATOR WITH THE BOTTOM EDGE PARALLEL TO THE WATER SURFACE AND THE RECTANGULAR OPENING FACING DOWNWARD AND THE CIRCULAR END PLACED INSIDE THE OUTLET PIPE.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION
City of Sparks
CATCH BASIN TYPE 4-R
 APPROVED BY: JE DATE: 1/2020

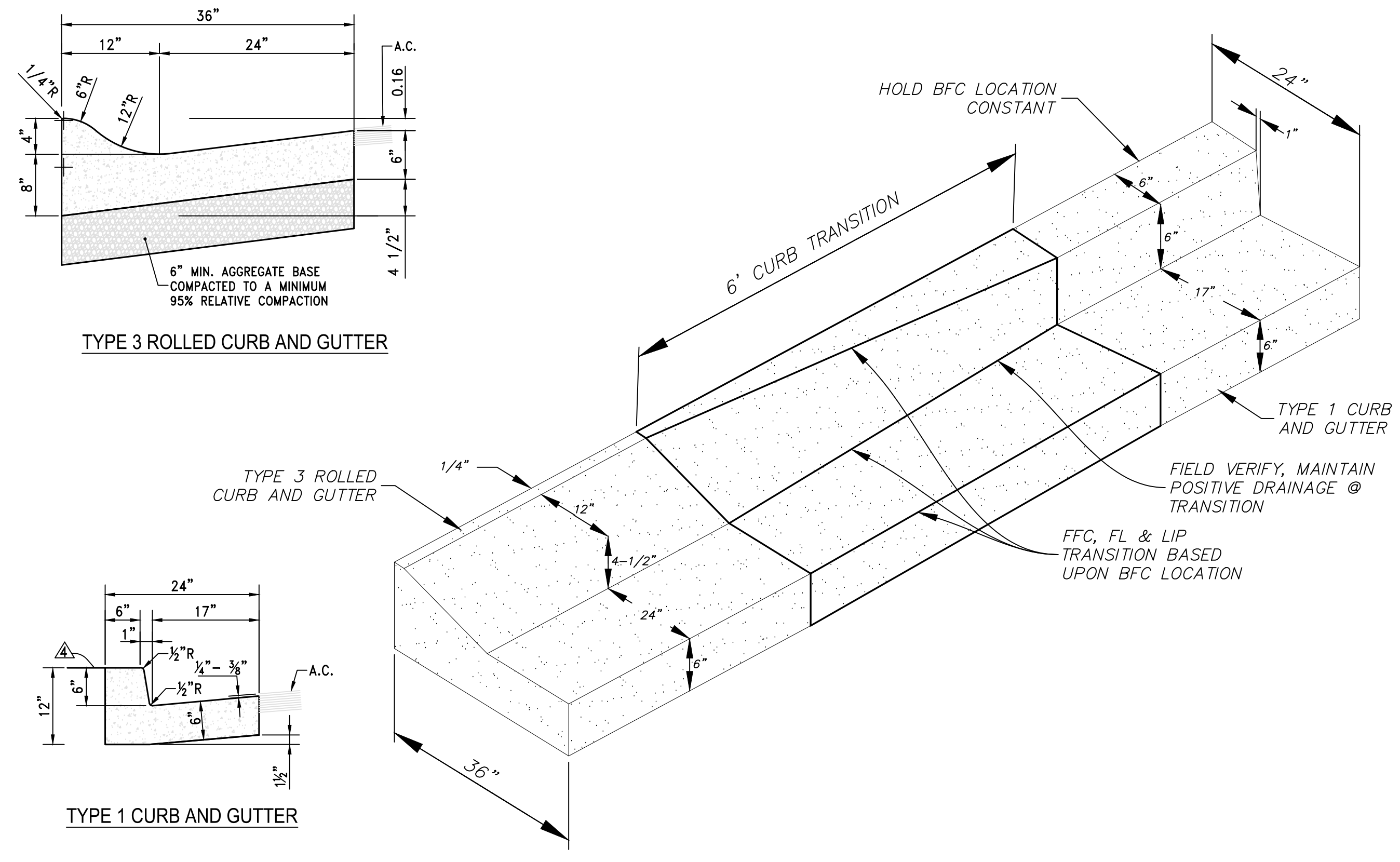
DRAWING No.
S-204A

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION
City of Sparks
NOTES - CATCH BASIN TYPE 4-R
 APPROVED BY: JE DATE: 1/2020

DRAWING No.
S-204B

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION
City of Sparks
CATCH BASIN OIL/WATER SEPARATOR
 APPROVED BY: JE DATE: 1/2020

DRAWING No.
S-208



TYPE 3 ROLLED CURB AND GUTTER TO TYPE 1 CURB AND GUTTER TRANSITION

PERMIT SET
 VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5
 CIVIL DETAILS
 SPARKS
 WASHOE
 NEVADA

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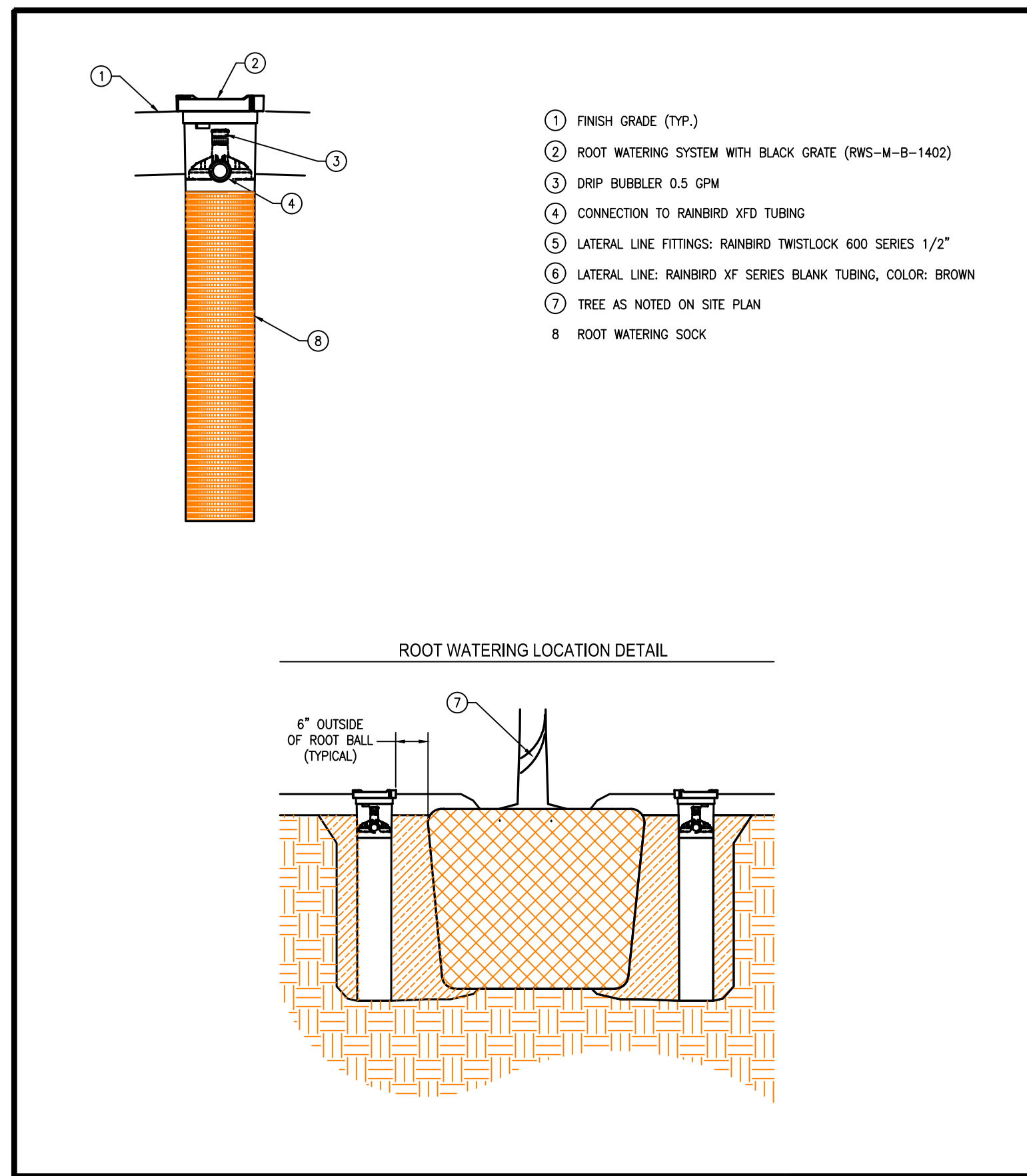
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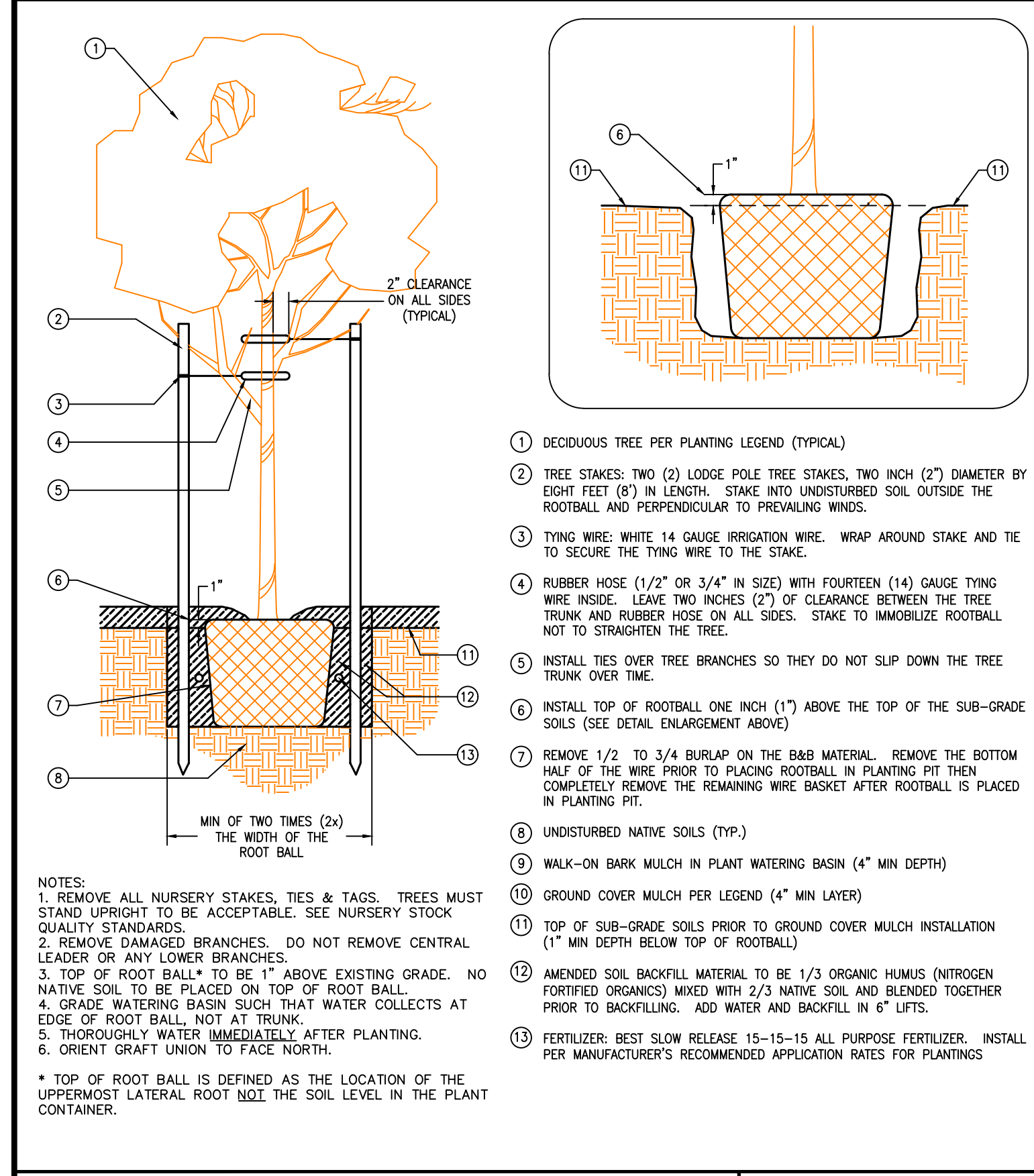
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PROFESSIONAL ENGINEER STATE OF NEVADA
 TRAVIS C. PAGE
 Exp. 12-31-25
 CIVIL
 No. 28825

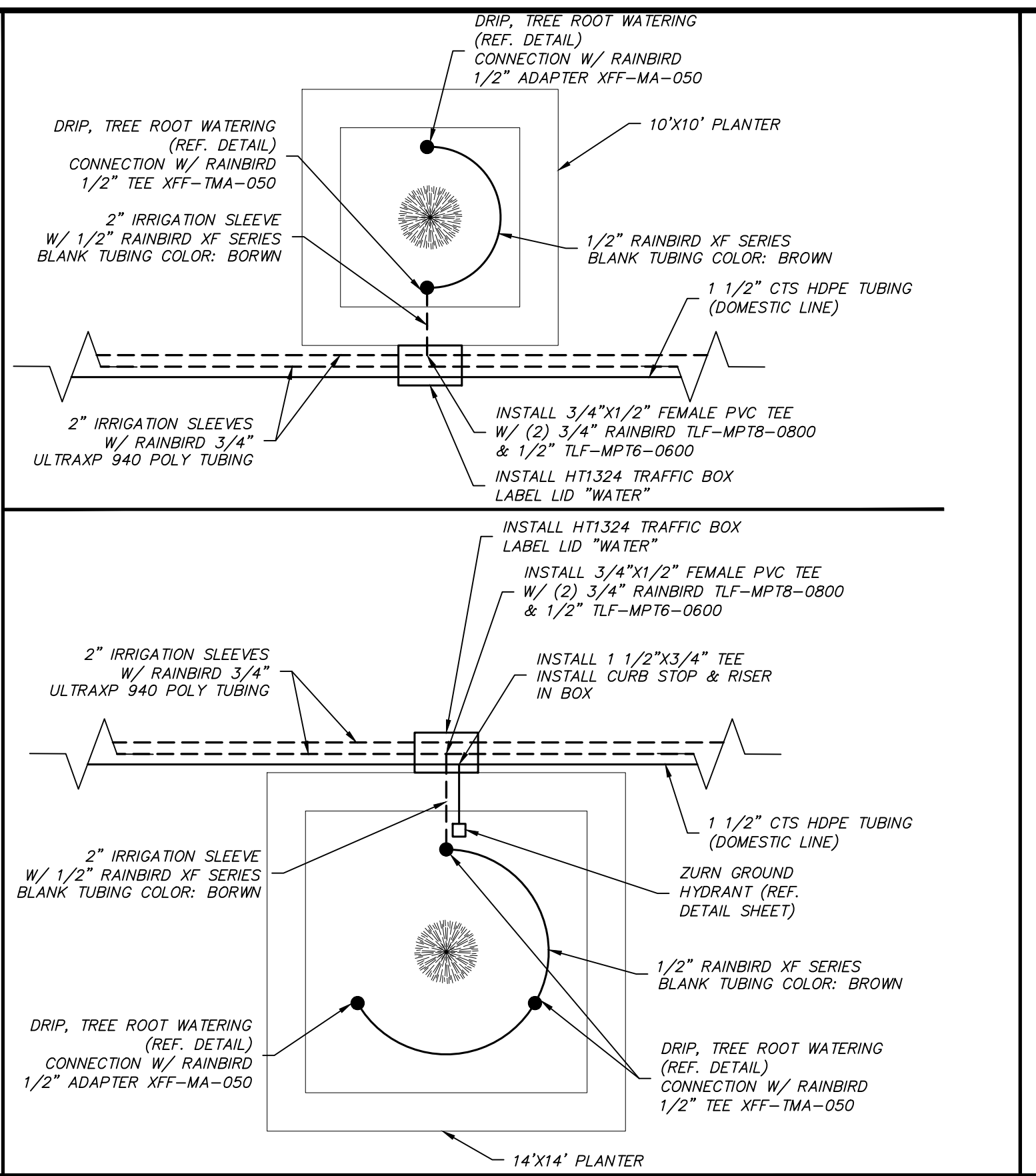
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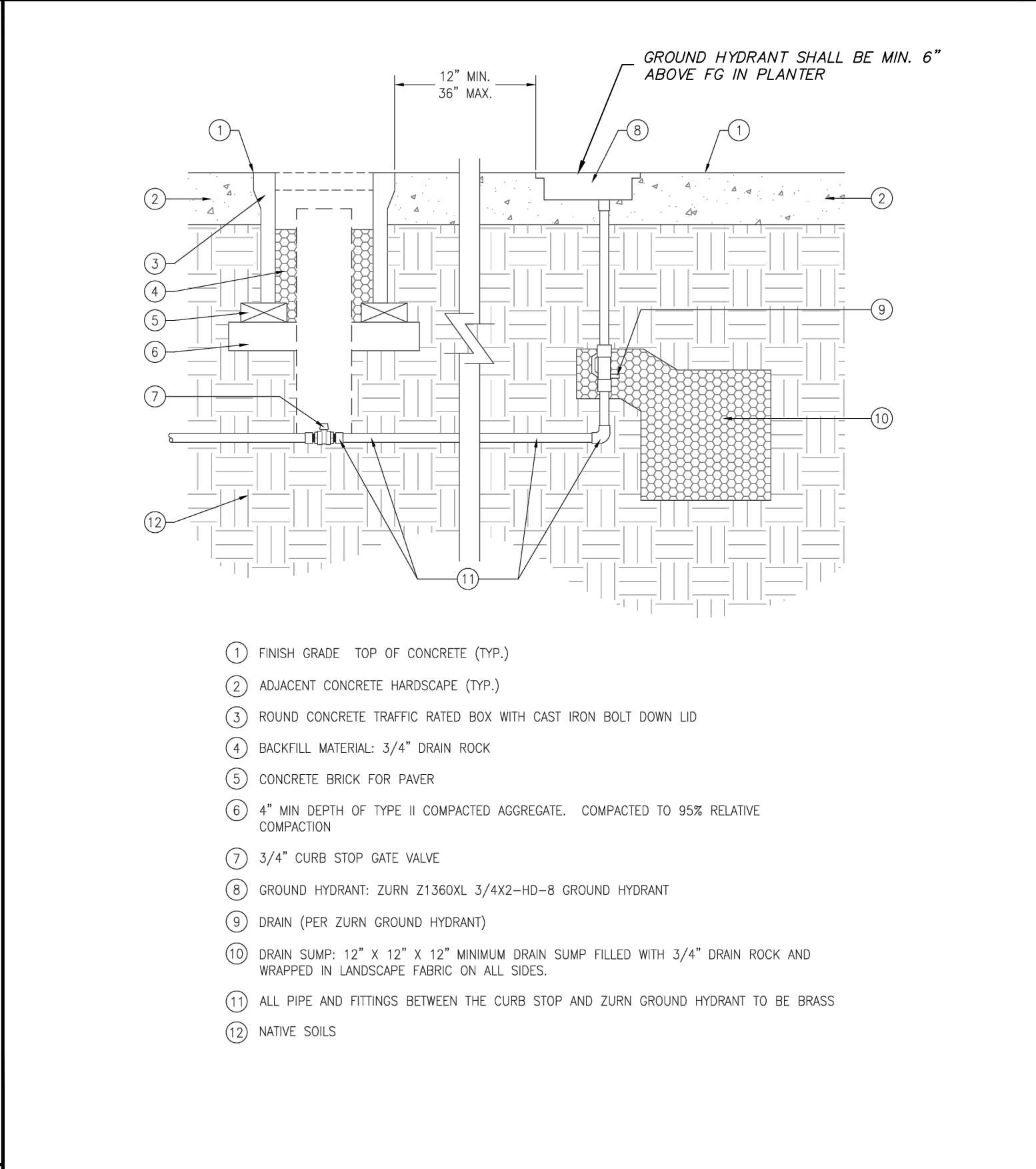
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IR-00X	
IRRIGATION DETAILS	
STANDARD (TYPICAL)	
DRIP, TREE DEEP ROOT WATERING	DRAWN BY: GSJ DATE: 02/2020



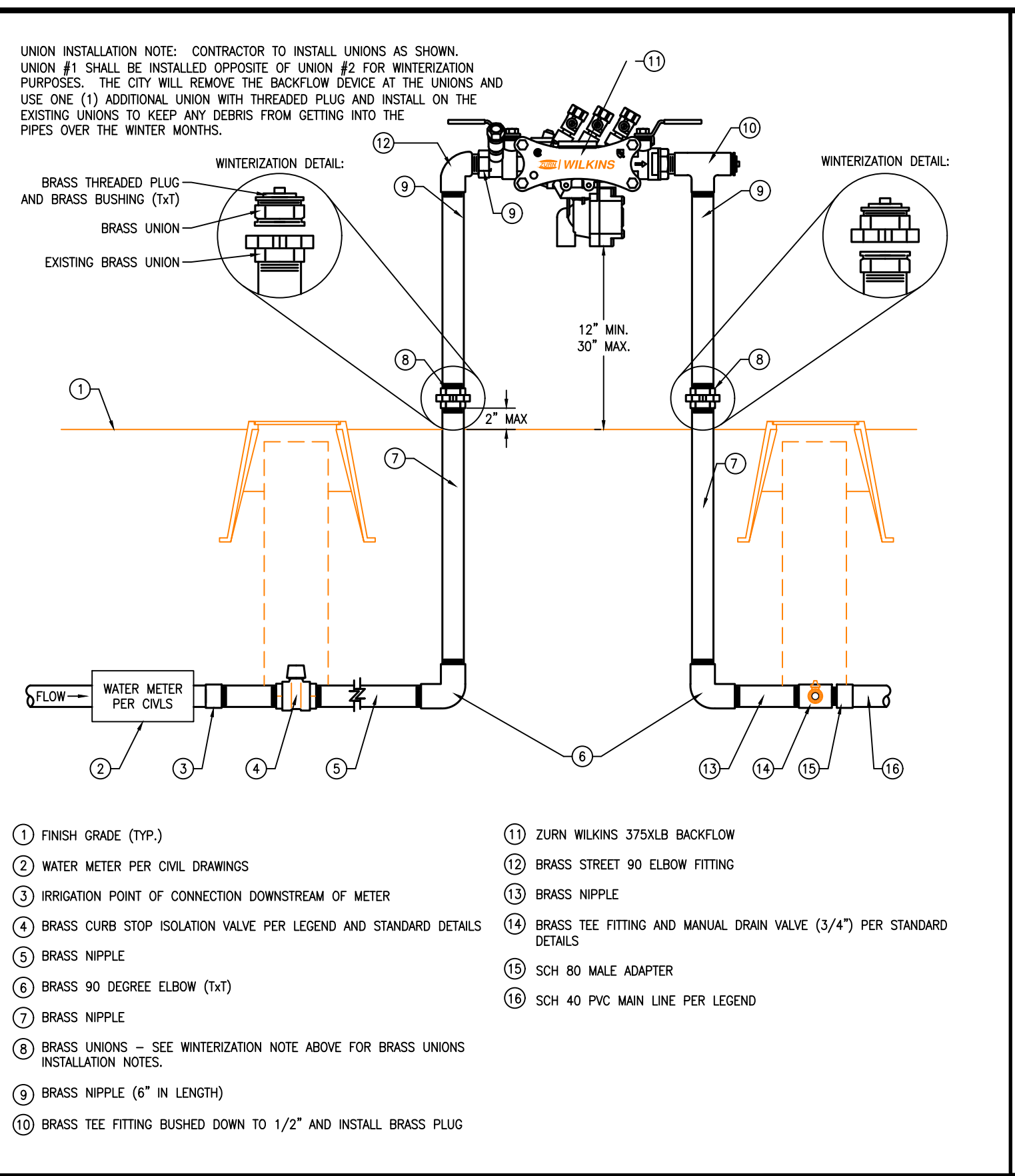
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LS-00X	
LANDSCAPE DETAILS	
STANDARD (TYPICAL)	
TREE, DECIDUOUS TREE INSTALLATION	DRAWN BY: GSJ DATE: 01/2020



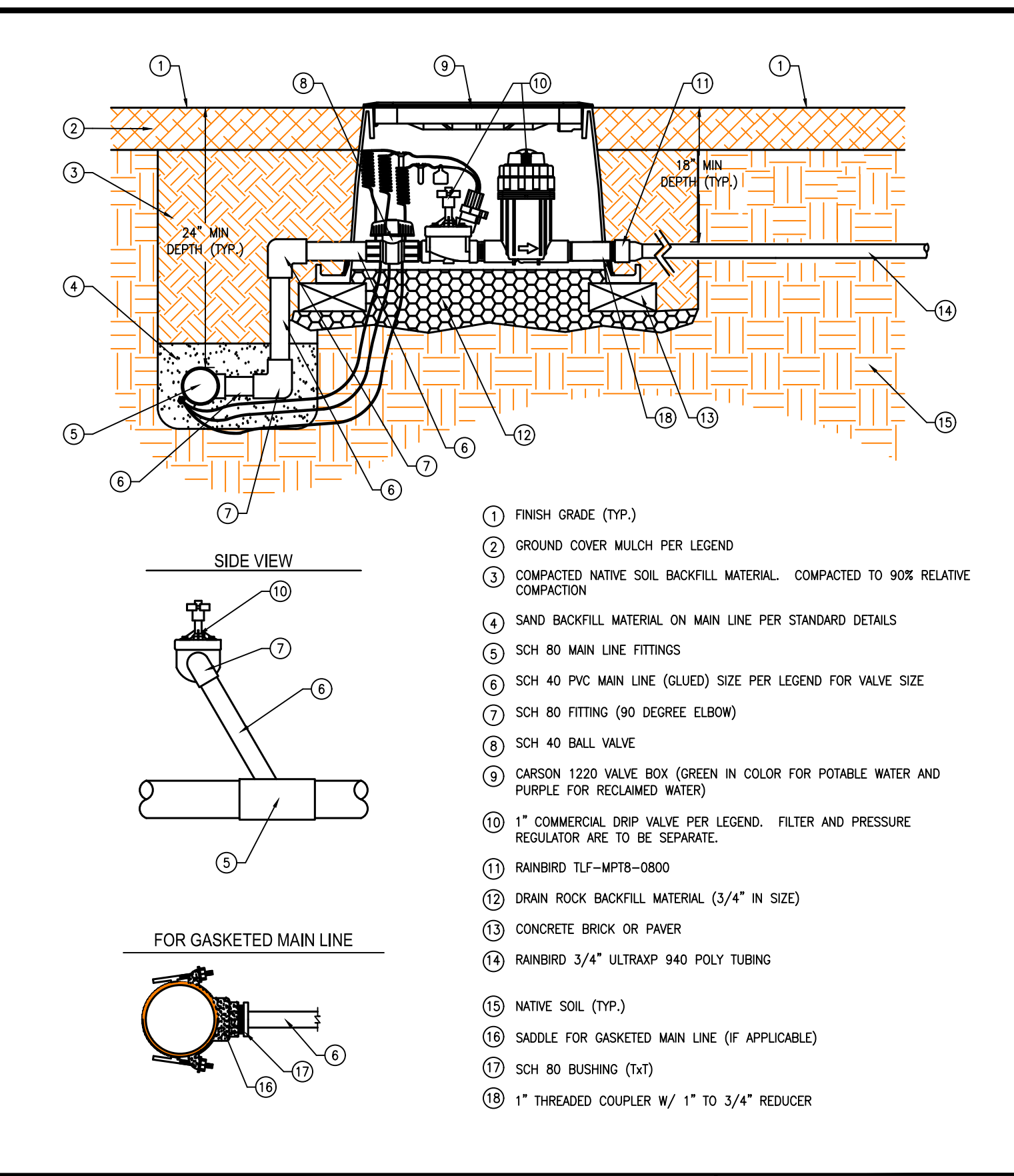
STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
IR-00X	
IRRIGATION DETAILS	
STANDARD (TYPICAL)	
WATER BOX AND PLANTER	DRAWN BY: GSJ DATE: 01/2020



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
IR-001	
IRRIGATION DETAILS	
STANDARD (TYPICAL)	
GROUND HYDRANT	APPROVED BY: GSJ DATE: 10/2019



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
IR-00X	
IRRIGATION DETAILS	
STANDARD (TYPICAL)	
BACKFLOW PREVENTION (2" OR LESS)	DRAWN BY: GSJ DATE: 01/2020



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
IR-00X	
IRRIGATION DETAILS	
STANDARD (TYPICAL)	
VALVE, COMMERCIAL DRIP	DRAWN BY: GSJ DATE: 01/2020

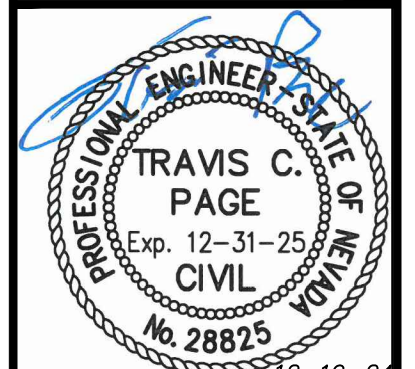
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VICTORIAN SQUARE INFRASTRUCTURE IMPROVEMENT PROJECT - SECTION 5 CIVIL DETAILS

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